

## CLAIMS

1. A magnetic rubber composition for encoder comprising 300 to 1,800 parts of strontium-ferrite, 0.5 to 2 parts of silane coupling agent, and 1 to 10 parts of lubricating agent, per 100 parts of hydrogenated nitrile butadiene rubber with 15 to 50% of acrylonitrile amount and 80 to 99% of hydrogenation ratio.
2. A magnetic rubber composition for encoder comprising 300 to 1,800 parts of barium-ferrite, 0.5 to 2 parts of silane coupling agent, and 1 to 10 parts of lubricating agent, per 100 parts of hydrogenated nitrile butadiene rubber with 15 to 50% of acrylonitrile amount and 80 to 99% of hydrogenation ratio.
3. A magnetic rubber composition for encoder comprising 300 to 1,800 parts of a mixture of strontium-ferrite and barium-ferrite, 0.5 to 2 parts of silane coupling agent, and 1 to 10 parts of lubricating agent, per 100 parts of hydrogenated nitrile butadiene rubber with 15 to 50% of acrylonitrile amount and 80 to 99% of hydrogenation ratio.
4. The magnetic rubber composition for encoder according to claim 3, characterized in that the mixture of strontium-ferrite and barium-ferrite contains 20 to 50% by weight of barium ferrite.

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5. The magnetic rubber composition for encoder according to claim 1, 2, 3 or 4, characterized in that the magnetic rubber composition for encoder further contains 0.1 to 10 parts of vulcanization agent per 100 parts of hydrogenated nitrile butadiene rubber with 15 to 50% of acrylonitrile amount and 80 to 99% of hydrogenation ratio.
6. The magnetic rubber composition for an encoder according to claim 1, 2, 3, 4 or 5, characterized in that the magnetic rubber composition for encoder

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further contains ~~2~~ to 30 parts of carbon black per 100 parts of the hydrogenated nitrile butadiene rubber with 15 to 50% of acrylonitrile amount and 80 to 99% of hydrogenation ratio.

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7. The magnetic rubber composition for encoder according to claim 6, characterized in that particle size of carbon black is 10 to 50 nm.

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